



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/335,127	06/17/1999	WILLIAM PATRICK COAN	113444	6119
23838	7590	05/21/2004	EXAMINER	
KENYON & KENYON 1500 K STREET, N.W., SUITE 700 WASHINGTON, DC 20005			LEE, JOHN J	
		ART UNIT		PAPER NUMBER
		2684		79

DATE MAILED: 05/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/335,127	COAN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	JOHN J LEE	2684	

**- The MAILING DATE of this communication appears on the cover sheet with the correspondence address -**  
**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM  
 THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 02 March 2004.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-20 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-20 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                     | Paper No(s)/Mail Date. _____ .  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ . | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|  | 6) <input type="checkbox"/> Other: _____ .                                  |

## DETAILED ACTION

### *Response to Arguments/Amendment*

1. Applicant's arguments received on March 2, 2004 have been fully considered and are persuasive. Therefore, the previous 112 rejection of claim 1-20 has been withdrawn.

However, the combined teaching of all the cited references (Kumar et al. (us patent number 6,434,367) and Griefer (US Patent number 5,615,213)) reads on all the claims as set forth in the previous rejection (#14). Therefore, the finality of this Office Action is deemed proper..

Re claims 1, 3, 7, 9, 13, 15, and 19: Applicant argues that the combination of Kumar et al. (US Patent number 6,434,367) and Griefer (US Patent number 5,615,213) do not teach the claimed invention “determining , based on a latency dependency of data whether the data is appropriate for transmission over a digital control channel”. However, The Examiner respectfully disagrees with Applicant’s assertion that the combination of Kumar and Griefer do not teach the claimed invention. Contrary to Applicant’s assertion, **according to the Applicant’s argument (March 2, 2004)**, the applicant disclosed the claimed limitation “the latency dependency of the data” is stated in specification (page 4, lines 22-23) and explained that determining whether something is not latency dependent must simultaneously embrace the possibility that the something is latency dependent, otherwise there would be no need for a determination. Therefore, the Examiner is of the opinion that the claimed limitation can be interpreted determining the amount/size of non-latency dependency data, whether the data is appropriate for transmission over a digital control channel. For that reason, the combined teaching of Kumar and Griefer

reads on the claimed limitation. More specifically, Kumar teaches communicating data with a dedicated control channel or supplemental/traffic channel between user's device/mobile station and base station (see Fig. 7, 8 and column 11, lines 57 – column 12, lines 17). Moreover, Griefer teaches data sends over traffic channel (B channel) as the message packet length is greater than predetermined limit size (amount) or if the message packet length is not greater than predetermined limit size (amount), the data transmits over control channel (D channel) (see Fig. 3, steps 102 through 114 and column 6, lines 6 - 57), regarding the claimed limitation. Specifically, combination of Kumar and Griefer teach according to depend on the condition (predetermined limit size (amount)), transmitting the data over control channel or traffic channel in communication network. The motivation dose so would be to minimize the network resource in communication system. The claim is not require or limit the limitation "determining the latency dependency of the data" is not size or amount of data length.

Applicant's attention is directed to the rejection below for the reasons as to why this limitation is not patentable.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. **Claims 1 – 20** are rejected under 35 U.S.C. 103(a) as being unpatentable over Kumar et al. (US Patent number 6,434,367) in view of Griefer (US Patent number 5,615,213).

Regarding **claim 1**, Kumar discloses that a method for wireless communication for non-latency dependent data, the method comprising:

receiving data for transmission to a base station (Fig. 8, 9) (column 6, lines 27 – 64);

if the data is not appropriate for transmission over a digital control channel, transmitting the data over a SCH (supplemental channel) (column 10, lines 27 – column 12, lines 19 and column 16, lines 3 – column 17, lines 8).

Kumar does not specifically disclose the limitation “if the data is not appropriate for transmission over a digital control channel, transmitting the data over a traffic channel and determining whether the data is appropriate for transmission over a digital control channel”. However, Griefer discloses the limitation “if the data is not appropriate for transmission over a digital control channel, transmitting the data over a traffic channel and determining whether the data is appropriate for transmission over a digital control channel” (Fig. 3 and column 6, lines 6 – column 7, lines 50). It would have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Kumar system as taught by Griefer. The motivation does so would be to minimize the network resource in communication system.

Regarding **claim 2**, Kumar does not specifically disclose the limitation “the determining includes determining whether the data is less than a predetermined size”.

However, Griefer discloses the limitation “the determining includes determining whether the data is less than a predetermined size” (Fig. 3 and column 6, lines 6 – column 7, lines 50). It would have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Kumar system as taught by Griefer. The motivation does so would be to minimize the network resource and enhance the managing system in communication system.

Regarding **claim 3**, Kumar and Griefer disclose all the limitation, as discussed in claims 1 and 2.

Regarding **claim 4**, Kumar and Griefer disclose all the limitation, as discussed in claims 1 and 3.

Regarding **claim 5**, Kumar discloses all the limitation, as discussed in claims 1 and 2.

Regarding **claim 6**, Kumar and Griefer disclose all the limitation, as discussed in claims 1 and 2.

Regarding **claim 7**, Kumar and Griefer disclose all the limitation, as discussed in claims 3 and 4. However, Kumar does not specifically disclose the limitation “monitoring network conditions for conditions favorable for transmission”. However, Griefer discloses the limitation “monitoring network conditions for conditions favorable for transmission” (Fig. 3 and column 6, lines 6 – column 7, lines 50). It would have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Kumar system as taught by Griefer. The motivation does so would be to minimize the network traffic resource over the network.

Regarding **claim 8**, Kumar and Griefer disclose all the limitation, as discussed in claims 3 and 6.

Regarding **claim 9**, Kumar and Griefer disclose all the limitation, as discussed in claims 3 and 7. However, Kumar does not specifically disclose the limitation “a memory coupled to said processor, said memory storing instructions adapted to be executed on said processor”. However, Griefer discloses the limitation “a memory coupled to said processor, said memory storing instructions adapted to be executed on said processor” (Fig. 2 and column 3, lines 62 – column 5, lines 57). It would have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Kumar system as taught by Griefer. Doing so would enhance the transmitting data adaptability in communication system.

Regarding **claim 10**, Kumar and Griefer disclose all the limitation, as discussed in claims 3 and 4.

Regarding **claim 11**, Kumar and Griefer disclose all the limitation, as discussed in claims 3 and 5.

Regarding **claim 12**, Kumar and Griefer disclose all the limitation, as discussed in claims 3 and 6.

Regarding **claim 13**, Kumar and Griefer disclose all the limitation, as discussed in claims 7 and 9.

Regarding **claim 14**, Kumar and Griefer disclose all the limitation, as discussed in claims 6 and 13.

Regarding **claim 15**, Kumar and Griefer disclose all the limitation, as discussed in claims 3 and 9.

Regarding **claim 16**, Kumar and Griefer disclose all the limitation, as discussed in claims 3 and 4.

Regarding **claim 17**, Kumar and Griefer disclose all the limitation, as discussed in claims 3 and 5.

Regarding **claim 18**, Kumar and Griefer disclose all the limitation, as discussed in claims 3 and 6.

Regarding **claim 19**, Kumar and Griefer disclose all the limitation, as discussed in claims 7 and 9.

Regarding **claim 20**, Kumar and Griefer disclose all the limitation, as discussed in claims 3 and 6.

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the

Art Unit: 2684

advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

***Conclusion***

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

or faxed to:

(703) 308-9051, (for formal communications intended for entry)

Or:

(703) 308-6606 (for informal or draft communications, please label  
"PROPOSED" or "DRAFT").

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **John J. Lee** whose telephone number is **(703) 306-5936**. He can normally be reached Monday-Thursday and alternate Fridays from 8:30am-5:00 pm. If attempts to reach the examiner are unsuccessful, the examiner's supervisor, **Nay Aung Maung**, can be reached on **(703) 308-7745**. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is **(703) 305-4700**.

J.L.  
July 1, 2003

*Nick Corsaro*  
NICK CORSARO  
PATENT EXAMINER